

FOLIO

UNIVERSITY OF ALBERTA
11 DECEMBER 1992

INSIDE

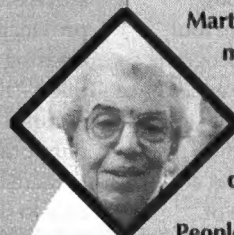
- Vice-President McConnell apprises GFC of University's annual giving program
- Varsity Consulting Group open for business
- École Polytechnique students adapt quickly to U of A workload, ambience

AS THE YEAR DRAWS TO A CLOSE ...

☀️ "Although it's a huge environment, there's a community feeling in Canada," writer Eve Rockett observed. She went on to say that when she returns to Canada from far-flung corners of the globe, she realizes that in Canada "... there are still people who say please, and thank you and how are you." ✨ We here at Folio believe the same can be said for the University of Alberta. ✍️ As the year draws to a close, we'd like to point out a few examples of the caring attitude Rockett speaks of. 🌿



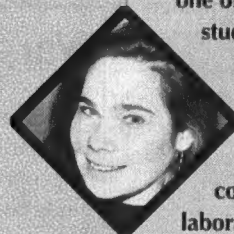
People who give to the United Way Campaign on Campus, and who believe in the importance of giving to others, made sure—once again—that the U of A remains, fundamentally, a compassionate place of learning.



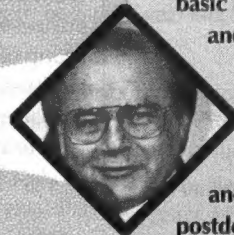
Martha Johnson, who purchased motorized wheelchairs for physically disabled students, saw a real need on campus and did something about it. In her quiet way, she made a difference.



People like U of A supporters Francis (pictured) and Harriet Winspear recognize that a flourishing arts community is central to a healthy society—and that the University can play a key role in maintaining that vital community.



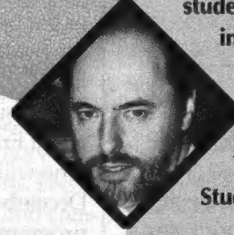
Biochemist Natalie Strynadka, recognized by NSERC this year as one of the top four PhD graduate students in Canada, gives her time to organizations like Project Ploughshares and the Edmonton Food Bank, demonstrating that service to the community doesn't stop at the laboratory bench.



The U of A now has a multimillion dollar research centre dedicated to basic research into the development and treatment of viral diseases. Research team leader Lorne Tyrrell—one of the University's top teachers—says the real research heroes are many and include graduate students, postdoctoral fellows and technicians.



Zoology student Brenda Miskimmin believes something can be done to clean up the environment. Awarded a prestigious, national eco-research doctoral fellowship, she'll be among Canada's leading environmental researchers in the coming decades, as the nation comes to grips with important environmental problems.



Elementary Education Professor Graham Fishburne cares about students, and he cares about teaching. He's chronicled effective teaching at the U of A, so others can, in turn, learn effective teaching techniques. The ultimate beneficiaries? Students, of course.

Development Office encouraging people to give money where they want to give

University also wants to make more friends who will explain its mission to the broader community

The University's annual giving plan, scheduled to begin next month, is a comprehensive program to solicit annual, recurring gifts from people and organizations.

"The initial focus will be on alumni and non-alumni friends, the latter who have shown some connectedness or relationship with the University," says Vice-President (Development and Community Affairs) John McConnell, who, on 30 November, gave a presentation on the University's fundraising initiatives to General Faculties Council.

"The techniques we're going to be using are direct mail, telemarketing, and personal visits, and we'll be asking them to make gifts in support of Faculties, other programs, and if they choose to, unrestricted gifts to the President's Fund," the Vice-President explained. "The plan also provides opportunities for Faculties and other units to make direct solicitations for annual, recurring gifts from their graduates and other people and organizations."

The Vice-President said there are four keys to a successful annual giving program. First, students must have a positive experience at the University. "They're more likely to give if they've felt good about the education they received and the kinds of student and academic services they took advantage of.

"Secondly, if the only time alumni hear from us is when they're asked to give money, the likelihood that they're going to give is not very high." And that's why ongoing communication, through newsletters and receptions, for example, is so important.

Third, it's important to let people know how their gifts have been, and will be used, and how those benefit the institution. Fourth, the University has to execute its fundraising programs successfully.

On a future multi-year, major campaign process, the Vice-President said a needs-assessment document has been distributed to Deans' Council. They have been asked to identify and describe projects to be considered

for the campaign portfolio. This is being done in conjunction with the Vice-President (Academic). "We're also in the process of identifying prospects, evaluating them and seeking key volunteers for the campaign.

"We're all in this together. This isn't just a function carried on by the Development Office or the whole Office of the Vice-President (Development and Community Affairs). It's an activity that all of us can participate in."

"There's so much expertise and enthusiasm in the Faculties, and so many of our Deans, academic staff and Associate Deans are very good at thinking about fundraising projects and approaching donors," said President Paul Davenport.

Responding to questions, McConnell said total private gifts received last year were between \$12 and \$13 million.

Gerwin Marahrens (Germanic Languages) suggested that if the University was more successful in its private fundraising efforts, the provincial government might respond by decreasing its financial support. McConnell replied, "I'm not aware of any evidence that this occurs. I think we have to think about what our options are. I think we're better off trying to increase private fundraising to make the case to the government that we're trying to help our own cause."

President Davenport said that for nearly a decade the province had a matching program. "That was a wonderful statement about their support for private fundraising and their determination not to reduce our grant because we were successful in fundraising. The government is not taxing us for private fundraising successes. We have to continue to make the case that these private gifts are additions to the University's resources," he said. He noted, too,

that donors are not going to give the University money if they know it's just going to be taxed away.

A number of GFC members stressed the importance of making sure students have positive experiences while they're on campus. Vice-President (Academic) John McDonald said the recently conducted graduand survey gives the University information on where it is doing well and where it needs to make improvements. The survey is being taken seriously and will be continued, he said.

"One of the things that we're going to want to do is let people know what we've learned and what we intend to do about it."

Jeffrey Osborn (Oral Biology) said it would be interesting for the University community to know what happens to the money. Will GFC get a report? McConnell said the University will get a yearly report describing the purposes for which donors made gifts.

President Davenport said the President's Fund, made up of unrestricted gifts, will be publicly reported. "We can certainly report that annually here."

The President reminded GFC members that the fundraising efforts were not just about raising money. Part of what we're doing here, in addition to raising money, is raising friends, getting the message out about what the University is doing and why we should be supported, he said.

"If private gifts are going up because there are more and more people out there who understand the U of A and why it's worthy of support, then those very same people who give in the annual campaign are also talking to their MLAs and other community leaders about how important higher education is."

Province appoints Elmer Brooker and Ed Makarenko to Board of Governors

Two new members of the University of Alberta Board of Governors have been appointed by the provincial government. Elmer Brooker and Ed Makarenko have been appointed for three-year terms, effective 26 November 1992.

Dr Brooker is the founding principal of EBA Engineering Consultants Limited, Edmonton. He earned his BSc and MSc at this University, and his doctorate from the University of Illinois. He is also an associate professor in the Department of Civil Engineering.

He is a former president of the Edmonton Chamber of Commerce and sat on the city's task force on engineering and construction. He is also a member of the Laser Institute and is on the Board of Management of the TRIUMF-KAON Project in Vancouver.

Makarenko owns Fargeys Paint and Wallcoverings Ltd in Red Deer, and is a former president of that city's Chamber of Commerce. In the service of postsecondary education, he has chaired the Board of Governors of Red Deer College and the Council of Board Chairs of Public Colleges and Technical Institutes of Alberta, and been vice-chair of the Private Colleges Accreditation Board of Alberta. Makarenko has also served on the National Board of Directors of the Association of Canadian Community Colleges.

Varsity Consulting Group picks up momentum

Kevin Chrenek had an idea. Equally important, he knew how to put it across to the appropriate people. Scant months later, he finds himself directing the Varsity Consulting Group (VCG).

Realizing that students in the Faculty of Business's MBA program had a lot going for them in the way of technical and practical business experience, Chrenek believed that a group of these students could supply Alberta's business community with affordable management consulting services.

He approached the Faculty, secured a modest amount of funding, and established contacts with a number of influential organizations, including the Edmonton Economic Development Authority and Edmonton Research Park.

Last September, 11 of Chrenek's fellow MBA students were chosen from the 50 who made up the applicant pool, and VCG was established as a division of the University of Alberta Management Advisory Institute. It's essentially a student-driven enterprise, says Terry Daniel, Associate Dean Programs, Faculty of Business.

Chrenek then capped these developments by helping VCG strike a strategic alliance with Ernst & Young Management Consultants. A mentoring program is seen as big part of the two-year contract (with an option for renewal) that VCG holds with Ernst & Young. Don Cummings, who holds an MBA from the University of Alberta and is a senior consultant at Ernst & Young, is one of four mentors who will be meeting with the students in mid-December to determine just what form(s) the program will take. He did say that each men-

tor will work with three or four students and "give them a flavour of what it's like to be a consultant working on behalf of a client."

"Our intention is that in two years we'll be even more closely tied with Ernst & Young and working on common strategies," Chrenek says.

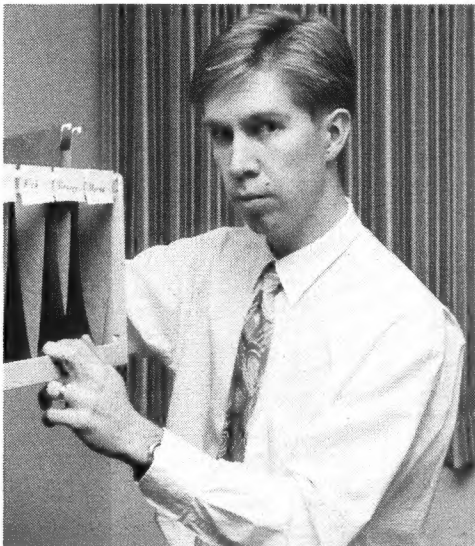
Chrenek believes the VCG team has the background, the education and the skills that are conducive to the provision of quality management consulting services. Each student has completed the first year core of business studies and is now getting into a specialty area. While they're students first and foremost and must carry out their respective consulting projects as class and study time permits, they're keen to experience working with business organizations. "They're [students] willing to put a lot of effort into services that are generally worth a lot more than what we're charging. They're the main reason for any success on the part of VCG and they're always going to be," Chrenek says.

One member of VCG has worked in international trade in Bulgaria, and two others have a good deal of experience with small businesses and small business accounting. VCG's services lie in five fields: business start-ups, marketing research, financial analysis, production management and personnel management. The students are also able to provide clients with access to the latest in business research being conducted in the Faculty of Business.

"From the budding entrepreneur to the established corporate manager, VCG has the resources to serve the needs of all business people," reads the Group's brochure.

On campus, VCG is hearing mostly from individuals who represent groups, for example, the Alberta Microelectronic Centre and the Faculty of Engineering, particularly in the area of software development. Chrenek sees marketing matters in VCG's future and mentions possible consultations with the Department of Athletics, the Students' Union, the University Bookstore and with, say, a researcher who may need a strategy for the marketing of a medical application. Administrators of the MBA program are anxious to strengthen its ties with the rest of the University and with the business community, and Chrenek feels VCG is one of the leading ways of realizing that goal.

Photo Services



Kevin Chrenek, founder and president of Varsity Consulting Group, pulls the file of one of the 11 MBA students who work with him in VCG.

FOLIO

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OFFICE OF PUBLIC AFFAIRS,
423 ATHABASCA HALL
UNIVERSITY OF ALBERTA, EDMONTON,
ALBERTA T6G 2E8
TEL: (403) 492-2325 FAX: 492-2997
MTS - TJMH PROFS - ZZOPA

All enquiries and correspondence should be directed to:
RON THOMAS: EDITOR
MICHAEL ROBB: ASSISTANT EDITOR

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DEADLINES:

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Display advertisements: 3 pm Friday, seven days before desired publication date. Camera ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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**University
of
Alberta**



Students and staff gathered last Friday to remember the 14 young women, engineering students at École Polytechnique in Montreal, who were killed three years ago.

Campus community gathers to remember 14 women students killed in Montreal

As the result of the actions of one madman, we have lost our innocence, and no longer is the university campus inviolate, says Chantelle Carley, President of the U of A Engineering Student Society, who helped to lay a wreath 4 December, at the campus' memorial service held to commemorate the killing of 14 women engineering students in Montreal three years ago.

"The fact that we cannot work here without feeling some fear or nagging doubts is not an acceptable situation," she said at the service in Athabasca Hall.

But simply increasing security would not deter insanity, and would only heighten students' fears by reminding ourselves of the possibility of unimaginable violence, Carley said. "Instead of shielding ourselves, we would simply become prisoners to our fears."

Instead, society should use the most effective weapon against fear, education, Carley suggested. "We must let it be known that hatred against any segment of our society is reprehensible. We must understand that attitudes displayed however flippantly have an effect on others. If this issue continues to divide society, then Marc Lepine [the murderer] will have won."

Winnie Tomm (Women's Studies Program) said, "We are reminded of the importance of taking action to bring about a healthier society for all of us. The program today is part of the Canadian national day of commemoration, a day in a lifetime directed toward bringing about greater respect for all people, children, women and men."

Vice-President (Student and Academic Services) Lois Stanford said the day is one of grief and sorrow. "Perhaps this may also be a day of hope that as a nation and as a community we are approaching this problem and making some attempts to deal with it."

Academic Women's Association President Janice Williamson said the 14 women in Montreal did nothing more than desire an education in a traditionally male-dominated discipline and institution.

She said that last year during the rally to condemn hate graffiti on campus there was much well-intentioned talk of tolerance in the abstract, about our collective values, talk about our university community as a family. "What was missing perhaps, and what we need to think about today with a sense of clarity is who was being marked as targets

and what kind of thinking processes within our community could support this kind of marginalization and hatred."

President Paul Davenport said this is a day for grief as well as a day to reflect on what we can do in our private and university lives to see that our society and our university can be places of tolerance, equality and respect, especially as regards the support of women.

Joyce Msolla, a graduate student from Tanzania, said society needs to stop blaming the victims and give them an equal chance to attain self-actualization. "It's unfortunate that some individuals believe that women are different from men in ways that render them inferior because they lack some of the ideal human capabilities." Those weaknesses and inadequacies are the result of society's treatment of them, she argued.

The memorial service also included: a moment of reflection, a healing dance, a prayer led by Anne Anderson, a song by

"We are reminded of the importance of taking action to bring about a healthier society for all of us."

Winnie Tomm

undergraduate student Gail Reilly and the reading by Marilyn Gauthier (Faculté Saint-Jean) of the names of the 14 students killed at École Polytechnique.

Dr Stanford said, "It's long been in my mind, that it would be appropriate as a university community for us to have a more tangible and permanent expression of that grief and sorrow and perhaps of that hope." The Vice-President said a space on campus will be provided for a grove of 14 white birch trees, as a marker of the grief, sorrow and hope. The trees will be planted next spring.

CORRECTION

The three-year NSERC grant held by F-S Chia, Dean of Graduate Studies and Research (*Folio*, 4 December, page 3), is \$70,000 per year and not \$700,000 per year.

Exchange program brings École Polytechnique students to U of A for one year

Last summer, Danielle Pelletier, a third-year electrical engineering student at École Polytechnique, read a series of articles in *La Presse*, a French-language daily newspaper in Montreal, about Alberta's political and cultural scene. For about a year, she had been intrigued by events in the province.

So when the opportunity arose to participate in an engineering students' exchange between École and the University of Alberta's engineering school, she seized the opportunity. Fellow student François Marineau, also a third-year electrical engineering student, saw the exchange as an opportunity to experience a different part of Canada and to improve his English.

"The first night we arrived, the first person I met could speak to me in French, almost perfectly. I was so pleased," says Pelletier. (That person had been on a Quebec exchange program.)

Last spring, the two engineering schools signed an agreement to exchange several undergraduate students each year. The students take approved courses which are transferable. "We would like to locate several of our students who may wish to attend École Polytechnique next year," says Associate

"Engineers have to broaden their horizons; you have to move and see other situations," says Marineau. Engineers have to learn many aspects of different disciplines, he says, "so for me, coming here is just another way of learning something different." And, he says, most people in North America speak English, so it's important for French-speaking engineers to learn the second language.

"It was important for me to discover Canada first; I'll have the rest of my life to discover the rest of the world," says Pelletier. "I think everyone should go on an exchange at least once. Markets are now worldwide, and the basic idea of going somewhere else to meet other people and learn about other cultures is important."

The exchange has also afforded the two students an opportunity to compare the two institutions. "When you're in a school, you believe you're the best, but this gives us an opportunity to compare," Pelletier says. Both say the workload's lighter here, with fewer labs and mathematics courses. The ambience is different, too. At École, the various departments are contained within a single school. Here, the Faculty of Engineering is part of the multi-Faculty "university village". Both live in Lister Hall, and Marineau says they save a



François Marineau and Danielle Pelletier, both third-year electrical engineering students, came West to broaden their horizons.

Dean LR Plitt. "The students we select should have a grade point average over 6.0 and they must be proficient in French."

According to Pelletier, they were assured equivalent courses were available at the U of A. "For most people, the personal development aspects of an exchange are more important than the educational aspects."

lot of time because they have meal tickets and don't have to cook their own food.

Pelletier says, "I've been able to get much more sleep here than I have in the last two years. I feel happier and healthier." Marineau has found time to get involved with Golden Bears wrestling, saying "you get sick of just studying."

CURRENTS



Inuit Lifestyles Workshop

Rick Riewe (visiting professor in Canadian Studies) and Jill Oakes (Clothing and Textiles) are conducting an Inuit Lifestyles Workshop 15 to 17 January to teach survival skills to northern travellers who realize their vulnerability under winter arctic conditions.

Drs Riewe and Oakes invite interested participants to join them at the Lesser Slave Lake Wilderness Camp to learn the survival skills of Inuit and Athabaskan Indians. Personal survival kits will be designed and commercial survival gear will be evaluated for

winter use in automobiles, snowmobiles and light aircraft.

Throughout the workshop, discussions will take place on northern natives' relationship with winter and their attitudes in relation to the land. The course, which has been taught for the last 10 years, costs \$100 (this takes in course fees, food and accommodation), payable to the Canadian Circumpolar Institute.

For more information, call Dr Oakes at 492-3653 or Dr Riewe at 492-4999.

Winter classes in American Sign Language

Level 1A, Monday evenings, 6:30 to 9:30, \$75. Level 1B, Thursday evenings, 6:30 to 9:30, \$95. Call the Office of Services for Students with Disabilities (492-3381) to register.

Social scientists from across the country rethinking research agenda

Technological challenges, innovations considered at conference

Strategic alliances, not only within the University but across traditional boundaries and beyond university walls, are going to be critical, says the Director of the University of Alberta-based Government Interchange Program.

Addressing the recent Innovative Research Trends in the Human Sciences Conference, Phyllis Woolley-Fisher said the GIP is issue-driven and based on the fundamental principle of reciprocity. The university and the public sector have to be responsive to changes in society. "We have to be responsive, creative, curious and willing to assume some risks," she said, explaining the relationship which has developed between the University and the provincial government through the program.

The GIP is a framework ... and a tool for strategic serendipity, to allow people to come together to discover and take advantage of opportunities that perhaps wouldn't have surfaced under other circumstances, Woolley-Fisher explained to researchers from across the country who gathered at the conference, sponsored jointly by SSHRC and the U of A, to discuss new trends and forces affecting the conduct of research in the social sciences and humanities.

David Hudson, Deputy Minister of Alberta Consumer and Corporate Affairs, said not only are universities changing, governments are as well. "The government is facing resource constraints and that's forced us to try to deliver services people expect of government in different ways." Looking for those new methods is an important reason why the government was interested in the GIP, he explained.

Noting that relationships between universities and governments have often been characterized by hostility, Gary Kelly (English) wondered when cooperation and collaboration turns into co-optation. Times change, responded Hudson. "We often see academic research, in terms of the papers produced, as being for other academics. If you are getting into a research project, both sides have to set their limits. It becomes a matter of negotiation."

Kenneth Craig, a Killam Research Fellow in the Department of Psychology, University of British Columbia, said that within universities, the physical, biological and engineering scientists are wary of working with social scientists and people who bring a humanistic perspective to bear. For example, the postmodernist and deconstructionist philosophies held by people in the humanities and social sciences make collaboration problematic.

Noting some of the tentative steps the Natural Sciences and Engineering Research Council and Social Sciences and Humanities Research Council are making to promote collaborative, interdisciplinary research, Dr Craig said there are nevertheless some formidable barriers. There are costs, difficulties in terms of promotion and tenure within institutions, and it takes a lot of time and expense to embark on collaborative research. Researchers also have to take the time to immerse themselves in the language and concepts of the other discipline.

Power is an issue ... and often principal researchers have to relinquish some control. "I'm not sure that having the powerful leader

who handles everything in the autocratic manner is the style that I think is inevitable." But, said the psychologist, all research needs to be evaluated from a societal perspective. "Until we've examined the social context and the moral issues that relate to scientific creativity and technological advances, we're at great risk of some of [repeating some of] the moral tragedies that have taken place."

The Director of Wilfrid Laurier University Press invited listeners to consider some of the technological innovations that may shape and change the way research is conducted. Electronic journals have become viable within the last two years, Sandra Woolfrey reminded the conference.

"In the short term, electronic journals are relatively inexpensive, fast, international, easy to update, and require less shelf space in the library. Most are in the humanities and social sciences. Problems of peer review and cataloguing are in the process of being resolved. Accessibility is a short-term problem. It's currently possible to communicate with Hong Kong, but not Plainsville, North America." She pointed out that videotape presentations are becoming a valid, alternative medium to the scholarly journal article; CD-ROM technology is

increasingly being used by scholars; and the electronic research tool which combines text, graphics and sound in a hypermedia environment is an exciting alternative to the scholarly book.

Woolfrey said she hoped scholars in the social sciences and humanities would embrace these alternative means of scholarly communication. "The implications for communications in anthropology, ethnography, geography and philosophy are incredible."

With increased specialization, it has become increasingly difficult to produce books that not only synthesize knowledge into a coherent whole, but also shape both academic and popular culture. "Most of the big books that shaped our academic and popular cultures were written between 1930 and 1970." Their impacts were quite immediate.

Specialized research and specialized language, however, have left most scholars communicating with fewer and fewer people since the early 1970s. "We cannot stop specialization, but what we need to do is encourage synthesis and jargon-free writing. We need to change our academic cultural value system," she said. NSERC is encouraging some scientists to write books rather than journal articles, Woolfrey pointed out.

SSHRC official says research money won't suffer at the expense of arts funding

Securing more funding for the arts will be a priority of a new federal funding agency, but that won't come at the expense of humanities and social sciences research funding.

Speaking the day after legislation was tabled in the House of Commons which would see the Social Sciences and Humanities Research Council of Canada come under the aegis of the Canada Council, SSHRC senior policy analyst France Landriault pointed out that, "Madam [Paule] Leduc is now director of the Canada Council and president of SSHRC."

"She now has to defend and support the interests of the two communities," Landriault said at the Innovative Research Trends in the Human Sciences Conference 27 and 28 November, sponsored by the U of A and SSHRC, and attended by social scientists from a number of Canadian universities.

In its 25 February budget, the federal government announced that SSHRC would be merged with the Canada Council, along with international cultural and academic relations program components from External Affairs and International Trade Canada.

"The Social Sciences and Humanities Research Council represents bread and butter research funding for those of us in the humanities and social sciences," Baha Abu-Laban, Associate Dean (Research), Faculty of Arts, said. "I know there's a great deal of interest [about the government's reorganization]."

Social Science Federation of Canada President Louise Quesnel said the Federation would fight to maintain funding for the humanities and social sciences and would be watching the reorganization very closely. "We still have some very serious concerns about the funding of SSHRC. This is not a merger, but an

annexation," she said, adding that in Bill 93 there is nothing to assure social scientists that SSHRC will continue to be funded from the government's science envelope.

In Ottawa, Claude Lajeunesse, president of the Association of Universities and Colleges of Canada, said, "Lumping the social sciences and humanities with the arts doesn't make much sense, especially at a time when SSHRC has already developed partnerships with other research councils in order to find interdisciplinary solutions to our pressing medical, industrial, environmental and human resource problems."

He pointed out that 14 years ago SSHRC was transferred out of the Canada Council after a great deal of consultation. The move recognized the growing importance of social sciences and humanities research to Canada's overall science effort and gave it the profile and autonomy it needed to thrive, Lajeunesse explained.

The federal government announced a four percent funding increase to SSHRC for the next four years, beginning last April. Early this month, however, Finance Minister Don Mazankowski, in his economic statement, announced the NSERC, SSHRC and MRC budgets would be frozen for two years beginning in April 1993.

Lajeunesse said the government was negotiating on its promise. "The government's commitment to set aside funds for the Canadian Network for the Advancement of Research, Industry and Education (CANARIE) is potentially positive, but it is ironic that while building a state-of-the-art electronic highway it is reducing the research traffic on it."

EVENTS

EXHIBITIONS

ART AND DESIGN

Until 17 December

"Tommie Gallie: Pressure Points"—a local sculptor who works with wooden structures. Edmonton Art Gallery.

FAB GALLERY

Until 20 December

"Of a (W)hole—Kim Huynh"—this exhibition is the final visual presentation in partial fulfilment of the requirements for the degree of MVA in printmaking.

Until 20 December

"Lasting Impressions"—an exhibition and portfolio of prints produced by faculty members, technicians and senior students of Art and Design. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Monday and Saturday, closed. 1-1 Fine Arts Building.

MCMULLEN GALLERY

Until 5 January

"A Country School Christmas"—monoprints by Margaret Seelye and "At Home: Selected Animals in their Environment"—mixed media installations by CW Carson.

Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm (subject to availability of volunteers). Information: 492-8428, 492-4211. Walter C Mackenzie Health Sciences Centre.

MUSIC

EDMONTON CHAMBER MUSIC SOCIETY

13 January, 8 pm

Kronos Quartet. Tickets available from The Gramophone, 10020 101A Street, 428-2356. Myer Horowitz Theatre.

EDMONTON YOUTH ORCHESTRA

13 December, 3 pm

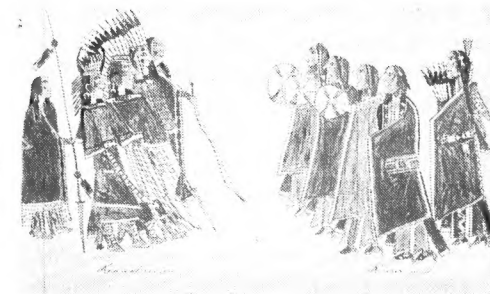
Intermediate Orchestra. \$5 adults, \$3 students and seniors. Convocation Hall.

SPORTS

BASKETBALL

15 and 16 January, 6:30 pm Pandas vs Victoria

15 and 16 January, 8:15 pm Bears vs Victoria



"The Arts of Native America" demonstrates the wide range of practical and spiritual objects made by natives of North and South America over many centuries. It attempts to show such works as they actually are, with as little intervention by non-natives as possible. Thus there are few paintings or photographs of natives by Europeans. The books are from the Javitch Collection and other holdings in Special Collections.

The exhibition, which is in the Bruce Peel Special Collections Library, B-7 Rutherford South, continues to 15 January.

HOCKEY

8 January, 7:30 pm Bears vs Calgary

TRACK AND FIELD

12 December Leduc Last Chance Meet

VOLLEYBALL

8 and 9 January, 6:15 pm Pandas vs Calgary

8 and 9 January, 8 pm Bears vs Calgary

Northern River Basins Study coming to campus

On 15 and 16 December, the Northern River Basins Study Board will visit the University of Alberta. On the 15th, the Board will hold a community meeting at 7 pm in L-1 Humanities Centre. The next day, the 25-member Board will meet from 9 am to 4:30 pm in the Stollery Centre, 5th floor, Business Building.

The Northern River Basins Study is a three and a half year, \$12.3 million study aimed at gathering baseline information on water quality, fish and fish habitat, riparian vegetation/wildlife, hydrology/hydraulics and use of aquatic resources in the Peace, Athabasca and Slave River basins.

For further information about the Northern River Basins Study and the visit by the Board, contact Eileen Crookes, Program Assistant, Research Grants Office, at 492-1838.

Of teaching, research, and telecommunications 'superhighways'

The following are excerpts from Vice-President (Research) Bob James's Report to Convocation, 21 November.

Teaching improves the understanding of students, who in turn become part of our future workforce, while research stalks the unknown, yielding new discoveries, and creations which enhance our lives—economically,

socially, and culturally. Both teaching and research have a direct impact on our competitiveness as a society.

The results of teaching are easily recognized; they are embodied in the graduates here today. Research results are often less obvious; they are found in much of the knowledge gained from your education, they are my

glasses, the product of optical research, the speaker system I am using, the product of audio-electronics research, and the building we are in, which has resulted from architectural and structural research.

A university can be likened to a family where one parent is research, and the other is teaching, and the children are the students. As in any such relationship, there are stresses as well as mutual support. While teaching and

research enrich each other, there are problems, and they must be acknowledged. Likely the most commonplace problem is that the hours required to teach and conduct research compete for a finite amount of available time. However, it is doubtful that many faculty would sacrifice the mutual enrichment the two provide.

To orient programs more to societal needs, a number of steps, properly researched, need to be pursued. Major factors, in determining these needs, are student wants and the societal opportunities and requirements for graduates. These factors should have greater emphasis in determining the priorities of a university's educational and research programs. It involves a university's survival.

As well a university should direct substantial resources into cooperative education programs so as to link its programs closely with societal needs. Also, significant use of practising professionals drawn from the community to teach in our classrooms will enhance the relevance of the academic programs, and place students in contact with potential employers.

Universities should vigorously promote more collaborative ventures with the private and public sectors through shared programs, such as is done at the University of Alberta through the Federal Networks of Centres of Excellence Program, and the University-owned, nonprofit research companies. In such organizations common research projects are undertaken jointly with staff from industry, government and the University. These ventures offer new opportunities for both industry and academia.

Telecommunications impact

What we are witnessing is one of the most profound changes of our century. The telecommunications impact on the next century will be at least as remarkable as the railways impact on the last century, or the vehicle highway transportation systems impact on this century. Our entry into the information society will be via telecommunications "superhighways".

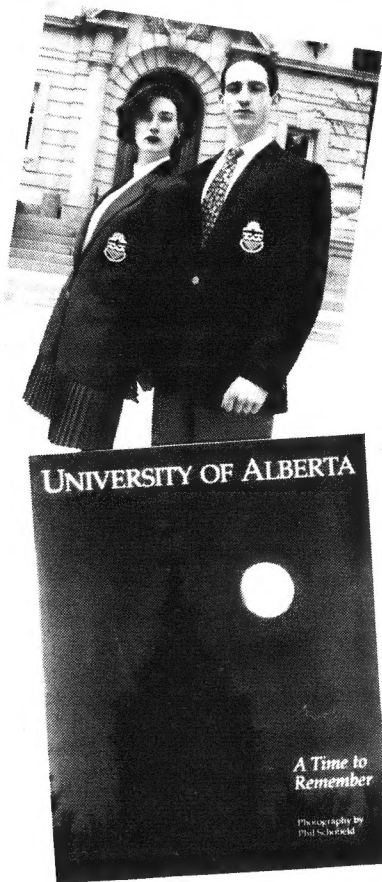
In order to adapt to the times, the rapid adoption by universities of the new communications methods and technology for teaching is imperative. Equally, the argument for adoption can be advanced for research. To a large degree, how fast a university can take advantage of telecommunications expertise and technology will determine how successful it is in competing as an outstanding knowledge centre.

With the advent of this new technology, a university will be able to provide lectures in the communities, and even in the home. New opportunities in collaborative teaching will become possible. It will be feasible to hold conferences with attendance from around the world with significantly reduced travel. Students and staff will have desktop computer access to remote library holdings, with their retrieval being across the network and use computing services of many different interconnected centres. Also, over great distance simultaneous collaboration of researchers will result.

The problem in Canada is that we have not yet made the necessary commitment to building the telecommunications "superhighway" and to entering the information society. Already many nations are well in advance of Canada in providing the needed framework. For research alone the United States is spending one billion dollars per year to provide the most up-to-date support for this sector.

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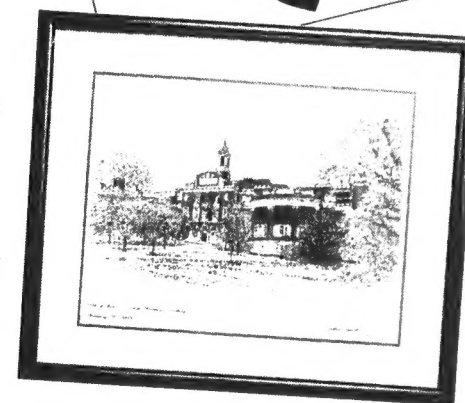
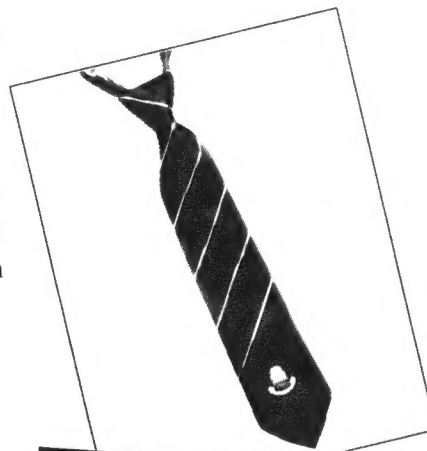
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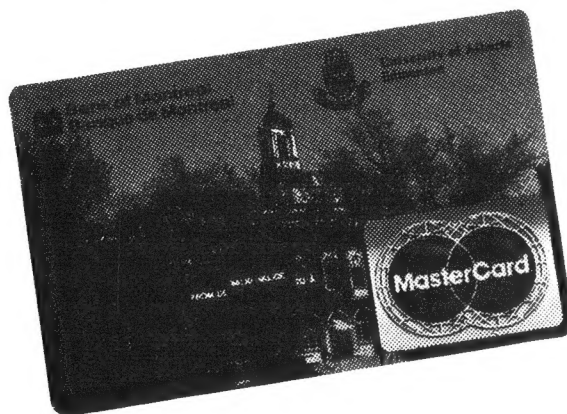
An attractive print of the old Medical Building, now the Dentistry/Pharmacy Centre (unframed) ... \$50.00 (regular \$75.00)



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TALKS

ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS

6 January, 4 pm

David Runkle, Federal Reserve, Bank of Minneapolis, "Are Analysts' Forecasts Rational? Evidence from Individual Data." Banister Room, 4-16 Business Building.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

14 December, 4 pm

Miroslav Radman, Institut Jacques Monod, University of Paris, "Homologous DNA Interaction in the Evolution of Gene and Chromosome Structure." 2-27 Medical Sciences Building.

15 December, 11:30 am

Ivan Rayment, associate professor of biochemistry, University of Wisconsin, "The Three-Dimensional Structure of Myosin Subfragment 1 from High-Resolution X-ray Crystallography." Classroom D (2F1.04) Walter Mackenzie Centre.

12 January, 4 pm

Stefano Stifani, Boyer Center of Molecular Medicine, Yale University, "Characterization of Human Homologs of Drosophila Neurogenic Genes." 5-10 Medical Sciences Building.

ANTHROPOLOGY

15 December, 3 pm

Beatrice Collignon, Laboratoire d'Epistemologie de la Geographie, Versailles, France, "The Evolution of a Pattern: Seasonal Movements and the Relations to the Territory of the Historic and Contemporary Inuit." 14-6 Tory Building.

BIOETHICS

15 December, 12:30 pm

Marion Briggs, Donald Schurman, Thomas Noseworthy, "Institutional Ethics: A Hierarchy or Collegiate System?" Bernard Snell Hall, Walter Mackenzie Centre.

CANADIAN MEDITERRANEAN INSTITUTE

14 January, 7:30 pm

Glenn Gunhouse, "Eleventh Century Fresco Decoration of Saint Angelo in Formis (near Capua, Italy)." Provincial Museum of Alberta, 12840 102 Avenue.

CLASSICS

11 January, 11 am

Gregory Nagy, department of classics, Harvard University, Cambridge, Massachusetts, "Evolutionary Models for the Making of Homeric Poetry." 1-7 Humanities Centre.

11 January, 3 pm

Gregory Nagy, "Genre and Occasion in Archaic Greek Poetry." Senate Chamber, Arts Building.

COMPARATIVE LITERATURES AND FILM STUDIES

19 January, 3:30 pm

Margaretta Dirks Fowler, "Stock Figures in the Novels of Socialist Realism: The Case of Fadeev, Gladkov and Ostrovsky." Senate Chamber, Arts Building.

FOODS AND NUTRITION

17 December, 10 am

DJ Millward, Head, Nutritional Metabolism Research Group, University of Surrey, England, "Diurnal Regulation of Nitrogen Balance in Adults." Classroom F, Walter Mackenzie Centre.

GERMANIC LANGUAGES

15 January, 3 pm

Erwin J Warkentin, "The Allied Information Control Division Policies and Practices and the Manipulation of Post-World War II German Literature 1945-1949." Senate Chamber, Arts Building.

PLANT SCIENCE

15 December, 12:30 pm

Persa Ceranic, "What Do We Know About Castor Bean?" 1-30 Agriculture and Forestry Centre.

RURAL ECONOMY AND ENVIRONMENTAL ECONOMICS WORKSHOP

14 December, 3 pm

Randy Wigle, department of economics, Wilfrid Laurier University, "Trade Policy as Environmental Policy." 8-22 Tory Building.

SOIL SCIENCE

17 December, 12:30 pm

Gerry Coen, Land Resources Unit, Agriculture Canada, "Land Management and Soil Data Base Use." 2-36 Earth Sciences Building.

ZOOLOGY

14 December, 1 pm

Don H Abbey, "Factors Affecting First Year Growth of Yellow Perch in Deep Boreal Lakes with Contrasting Productivity." CW410 Biological Sciences Centre.

This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.



ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

RENT - Lynnwood, west end, bright, cozy bungalow. Three minutes from Meadowlark Shopping Centre. Immediate. \$900/month. Janet Jenner, Spencer Realty, 435-0808.

RENT - Central, Glenora, renovated character home. Vaulted ceiling, circular stairs, immediate. \$1,500/month. Janet Jenner, Spencer Realty, 435-0808.

MICHENER PARK - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. All inquiries welcome, 492-7044.

SALE - Superb, luxury, high-rise condo. #1601, Claridge House. 1,430', two bedrooms, six appliances, air conditioning, underground parking. For comfort, security, convenience in great location, call Jack Bawden, Royal LePage, 437-7480.

SALE - Riverbend, three special, two storey homes. Four bedrooms, extra den/study, double garages, quiet crescent locations. From \$225,000. Liz Crockford, Spencer Realty, 435-0808.

RENT - University/Strathcona. New, spacious condo, two bedrooms, two baths, fireplace, elevator, five appliances, two parking. Nonsmoking, January. 998-3988.

RENT - Coliseum, LRT, basement suite. All utilities. \$300. 474-6198.

RENT - Near University, quiet area, three bedroom main floor. Well-built, four appliances, dining room. No pets, nonsmokers, adult couple. Immediate possession, \$725/month, damage deposit, half utilities. Phone 435-8812.

RENT - Furnished, three plus bedroom sabbatical house, two bathrooms, five appliances. January - June, \$850/month. 455-5532, 492-7544.

RENT - Condo, beautiful Fairmont Riverside Resort, full kitchen, discount ski passes. 18 - 25 December. Phone 458-2452 evenings or 451-2412 days.

RENT - Riverbend, four-year-old house. Four bedrooms, close to schools, \$1,250/month. Raymond Cheng, Royal LePage, 434-2961.

RENT - Crestwood, three bedroom bungalow. Basement, den, single attached garage. Immediate, \$800. Otto Schaaf Realty, 468-6307.

RENT - Northeast, newer, executive home. Many extras, large yard. \$1,200, immediate. Otto Schaaf Realty, 468-6307.

RENT - Windsor Park. Two storey, three bedrooms plus den, garage. Scott, 433-0646.

SALE - Saskatchewan Drive. Super view property and only \$267,000. Large bungalow, huge lot. Call Chris Tenove, Spencer Realty, 435-0808, 433-5664.

RENT - Furnished condo (over 45), two bedroom plus one. \$600/month. Available late December, four months. References, damage deposit. 464-6935.

SALE - Exceptional three bedroom, large bungalow, fully finished basement, alarm system, intercom, three full bathrooms, double detached heated garage. Walk to University, ravine. Joan Lynch, Re/Max Real Estate, 433-9025, 438-7000.

RENT - Pleasantview three bedroom house, main floor. Partially furnished, whirlpool bathtub. University bus direct. \$800 includes utilities. Available January. Nonsmokers, references required. 436-1301.

POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 4 December 1992. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin, the postings in PSSR and/or call the Job Information Line at 492-7205 (24 hours). Positions available as of 4 December 1992.

The salary rates for the following positions reflect adjustments in accordance with the new classification system and pay plan.

CLERK TYPIST (Grade 3), University Health Services, (\$1,588 - \$1,957)

PROGRAMMER ANALYST (INFORMATION MANAGEMENT ANALYST) (Grade 9) (Term to 31 December 1993), Office of the Registrar, (\$2,636 - \$3,343)

PROGRAMMER ANALYST (Grade 9), Office of the Comptroller, (\$2,636 - \$3,343)

PHARMACIST (Grade 9) (Term to 30 June 1993), University Health Services, (\$2,636 - \$3,343)

PROGRAMMER ANALYST (Grade 10), Advancement Services (\$2,839 - \$3,620)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

ACCOUNTS CLERK (Trust/Part-time), Surgical-Medical Research Institute (\$1,067 - \$1,364) (prorated)

SECRETARY - CLINICAL TRIALS (Trust), Medicine (Cardiology), (\$1,779 - \$2,273)

TECHNICIAN I (Trust/Term to 30 June 1993), Medicine (Endocrinology), (\$1,844 - \$2,005)

TECHNOLOGIST I/II (Trust), Genetics, (\$2,273 - \$3,202)

TECHNOLOGIST I/II (Trust), Pharmacology, (\$2,273 - \$3,202)

SPORTS WALL OF FAME: CALL FOR NOMINATIONS

The University of Alberta Sports Wall of Fame, a 75th Anniversary project, was initiated to recognize and preserve the contributions of outstanding athletes and builders of University sport.

This University has acquired a worldwide reputation in sport through the combined efforts of its athlete alumni, students, coaches and administrators. Outstanding athletes and builders are named to a place on the Wall for their contributions to University, national and international sport, and for subsequent contributions to their communities and to Canada as a whole.

The Wall of Fame Selection Committee invites applications on behalf of any individual who may be worthy of consideration.

More information and application forms are available through the Department of Athletics. Telephone 492-3413 or fax 492-7307.

Applications are accepted at any time. Those received before 15 January 1993 will be considered for induction at the Wall of Fame Dinner, 26 March 1993.

RENT - Three bedroom house. Sabbatical leave next term. 451-6025.

RENT - Aspen Gardens, renovated, two storey house with four bedrooms, family room and garage. Unfurnished. Available January - April. 434-8982.

RENT - Strathcona, bachelor basement apartment. Unfurnished, nonsmoking. Available January, six-month lease only. 439-3703.

SALE - Grandview, 1,603' bungalow, custom designed for the current owner. Grand piano-sized living room, two fireplaces, upgraded kitchen cabinets. Double garage. \$210,000. Marjorie King, Spencer Realty, 435-0808, 435-0395.

SALE - Aspen Gardens, new listing. Four bedroom, two storey with attached double garage. New kitchen, three baths, quiet location. Near Westbrook School. \$195,000, ven-

dor transferred. Marjorie King, Spencer Realty, 435-0808, 435-0395.

RENT - Five bedroom Belgravia home, architect designed, 2,500 square feet, fully furnished, available 1 February - 15 August, \$1,400/month. Damage deposit, references required. Phone 437-5435.

ACCOMMODATIONS WANTED

MATURE, UNIVERSITY EMPLOYEE available to housesit. Previous experience. Phone Joanna, 433-8668 or 492-6365.

MATURE, MASTER'S STUDENT wishes to housesit (experienced) or rent single lodging. 439-1239.

PROFESSOR JOINING FACULTY, May 1993 requires initial living accommodation, couple and university student. Two bedrooms, furnished house/apartment, within twenty-

minute walk campus. 6-12 months from May, June/July, 432-1568.

GOODS FOR SALE

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ANITA JENKINS, WRITER/EDITOR. Theses, letters, résumés, journal articles. 474-6656.

MARK EHRMAN CABINET SERVICE - Custom designs or made to match existing. References available. 463-0889.

WORD EXPRESS - Experienced technical editor. Books, proposals, conference papers, journal submissions, reports, etc. 987-3555.

TECH VERBATIM - Word processing, WP 5.1, Word 5.0, medical terminology, laserprint, campus location. Donna, 440-3714 evenings, weekends.

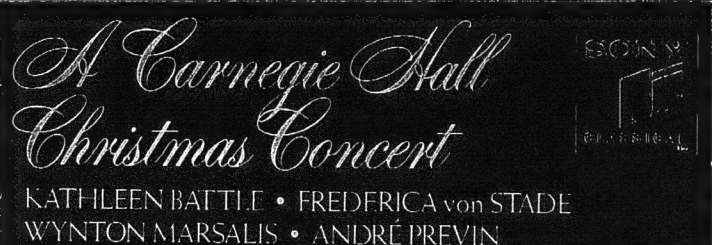
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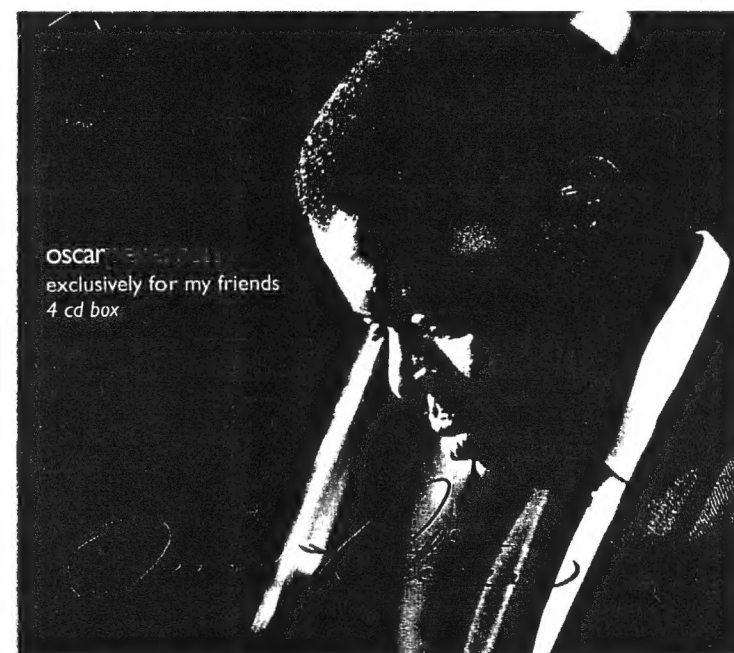
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